

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claims 1, 7, and 17 and CANCEL claims 3-6, 11-16, 19, and 23-47 without prejudice or disclaimer in accordance with the following:

1. **(Currently Amended)** A method of differentiating between a plurality of types of writable discs having wobbles with corresponding predetermined frequencies comprising absolute addresses and/or various pieces of information, the method comprising:

controlling a focus of a light spot on a recording surface of one of the writable discs using a pickup unit; and

discerning a type of the one writable disc from the plurality of types of writable discs using a ratio of an amplitude of a wobble signal detected while controlling the focus to a sum signal of signals detected by a photodiode in the pickup unit to discern the type of the one writable disc.

2. **(Original)** The method of claim 1, wherein the discerning the type of the one writable disc comprises using the amplitude of the wobble signal which has passed through a band-pass filter having a predetermined frequency.

3-6. **(Cancelled)**

7. **(Currently Amended)** A method of determining a type of a writable disc having wobbles with a predetermined frequency comprising absolute addresses and/or various pieces of information received by an optical disc system comprising a pickup unit and a servo unit, the method comprising:

setting a default mode to a mode of any type of disc;

controlling the servo unit in an on-focus state to adjust a focus of a light spot on a

recording surface of the writable disc using the pickup unit;
detecting an amplitude of a wobble signal in the on-focus state;
comparing a ratio of the amplitude of the wobble signal to a sum signal of signals detected by a photodiode in the pickup unit with an amplitude of a reference wobble signal to obtain a comparison result; and
using the comparison result to determine if the writable disc corresponds to a type of disc corresponding to the default mode or another type of disc.

8. (Original) The method of claim 7, wherein the controlling of the servo unit comprises: controlling a spindle motor, which rotates the writable disc, at a constant angular velocity.

9. (Original) The method of claim 7, wherein the type of disc corresponding to the default mode is a DVD-R/RW and the another type of disc is a DVD+R/RW.

10. (Original) The method of claim 7, wherein the detecting the amplitude of the wobble signal comprises detecting the amplitude of the wobble signal using a band-pass filter having a predetermined frequency.

11-16. (Cancelled)

17. (Currently Amended) A writable disc discriminating apparatus for use in an optical disc system which comprises a pickup unit and a servo unit and which performs recording on and/or reproduction from a plurality of types of writable discs having corresponding wobbles with respective predetermined frequencies comprising absolute addresses and/or various pieces information, the writable disc discriminating apparatus comprising:

a servo controller that controls the servo unit in an on-focus state to adjust a focus of a light spot on a recording surface of one of the writable discs using the pickup unit; and

a discriminator that uses a ratio of an amplitude of a wobble signal detected while in the on-focus state to a sum signal of signals detected by a photodiode in the pickup unit to determine a type of the one writable disc differentiated from the plurality of types of writable discs.

18. (Original) The apparatus of claim 17, wherein the discriminator comprises a band-pass filter that passes only a predetermined wobble frequency and that detects the wobble signal.

19. (Cancelled)

20. (Original) The apparatus of claim 17, wherein the servo controller controls a spindle motor, which rotates the writable discs in the on-focus state, at a constant angular velocity.

21. (Original) The apparatus of claim 17, wherein one type of the writable disc among the plurality of types of writable discs is a DVD-R/RW and another type of the writable disc is a DVD+R/RW.

22. (Original) The apparatus of claim 18, wherein the discriminator comprises:
a signal processor that measures the amplitude of the wobble signal; and
a system controller that compares the amplitude of the wobble signal with an amplitude of a reference wobble signal to differentiate the disc from the plurality of types of discs.

23 - 47. (Cancelled)